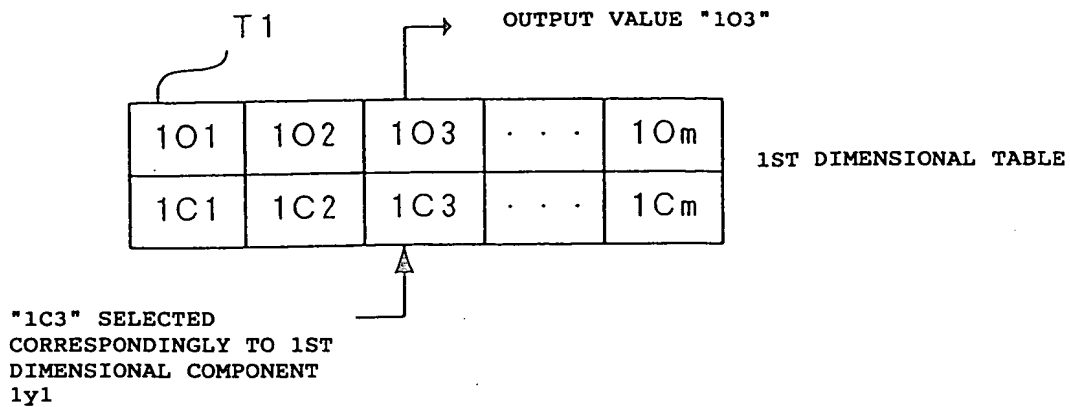
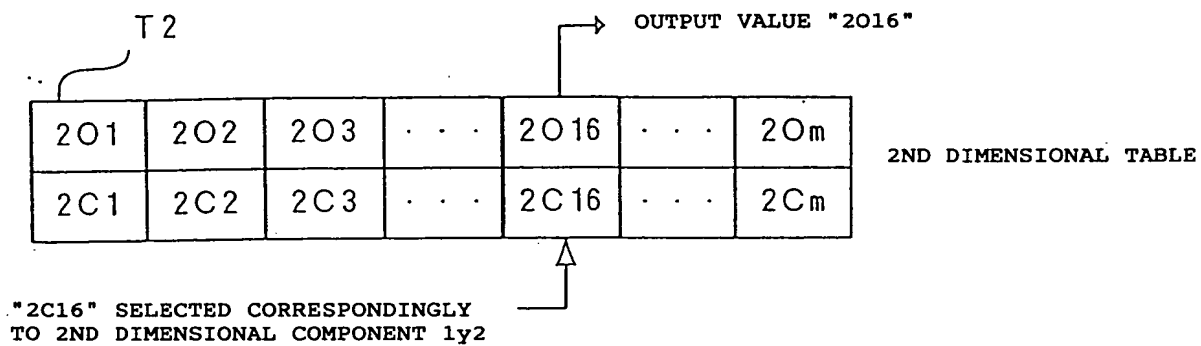


FIG. 1



(a)



(b)

FIG. 2

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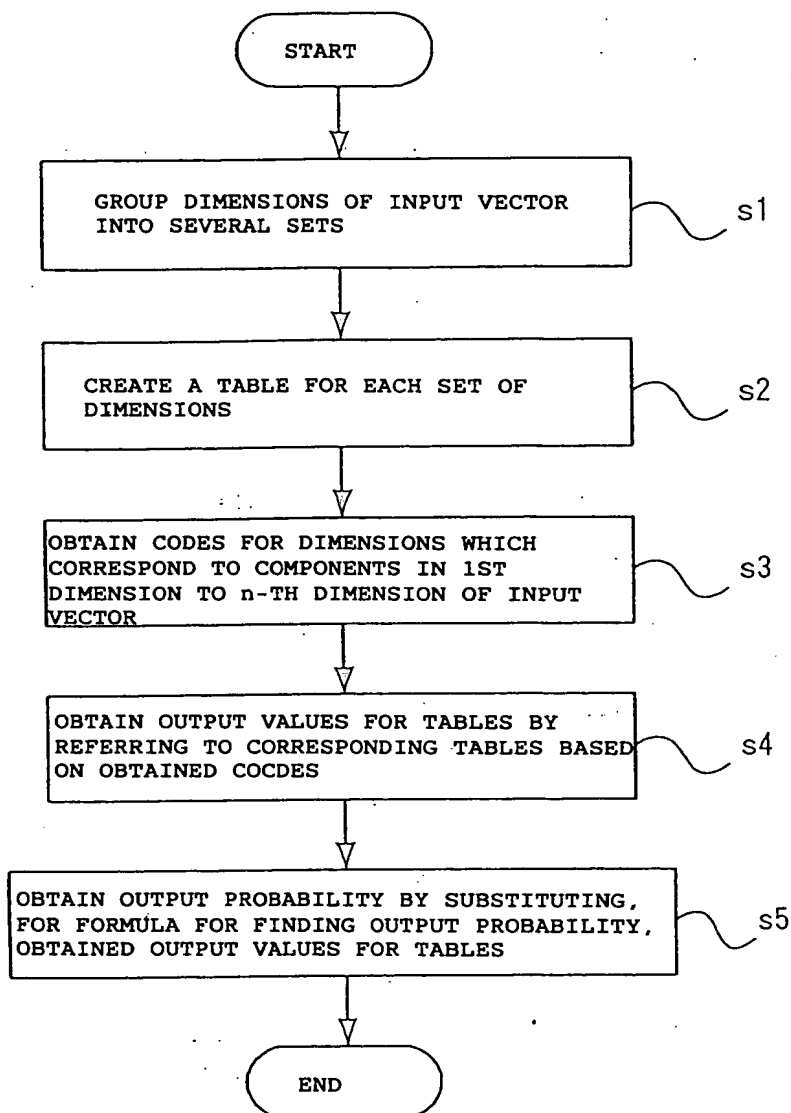


FIG. 3

TOP SECRET 4915550

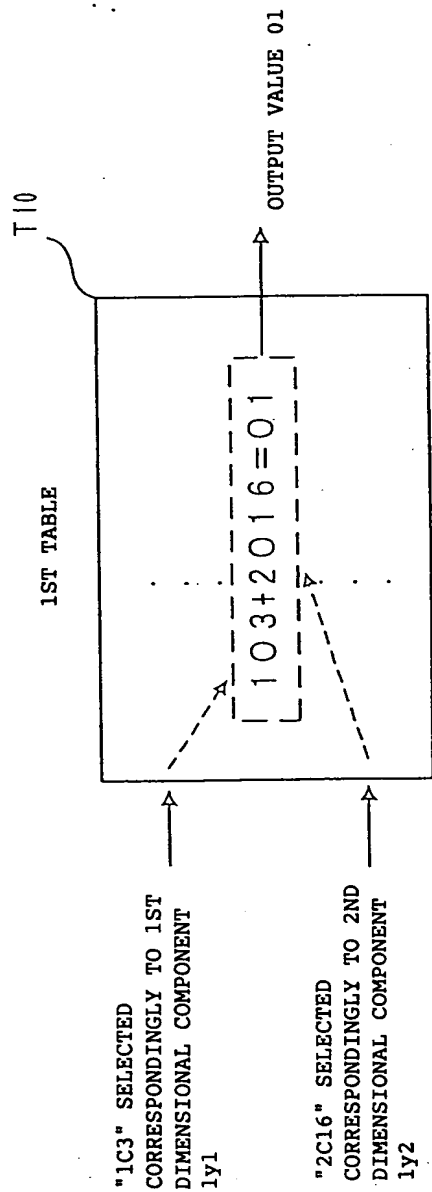


FIG. 4

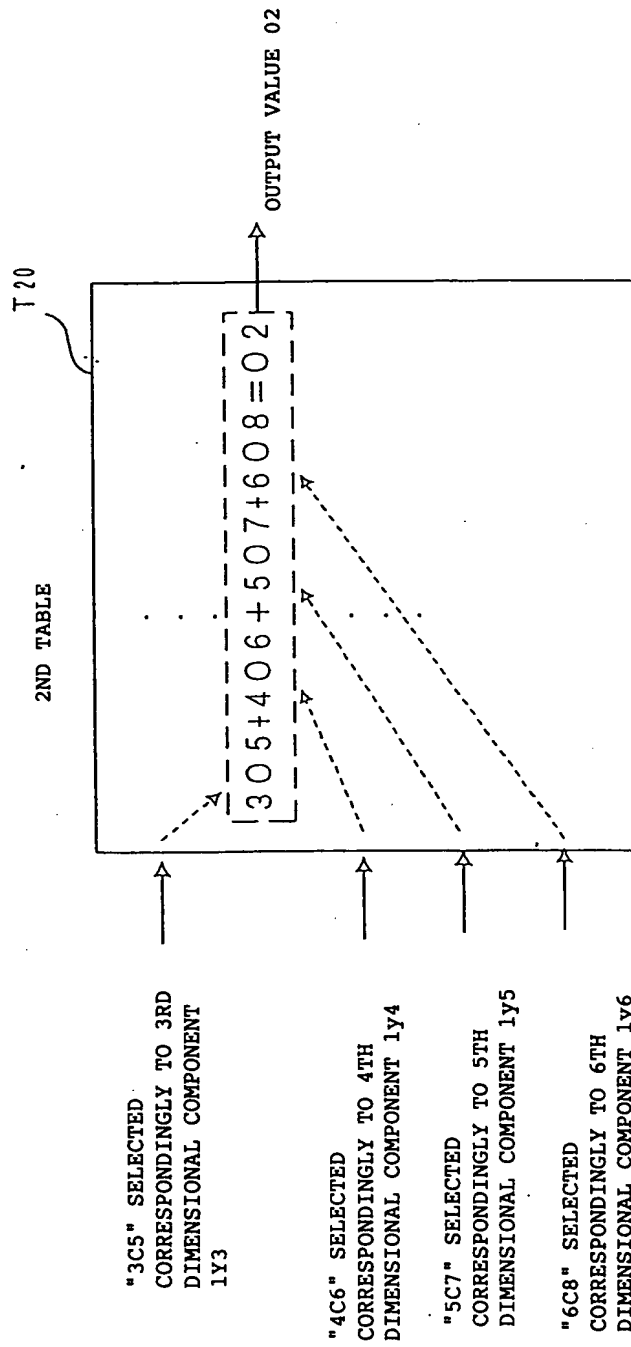


FIG. 5

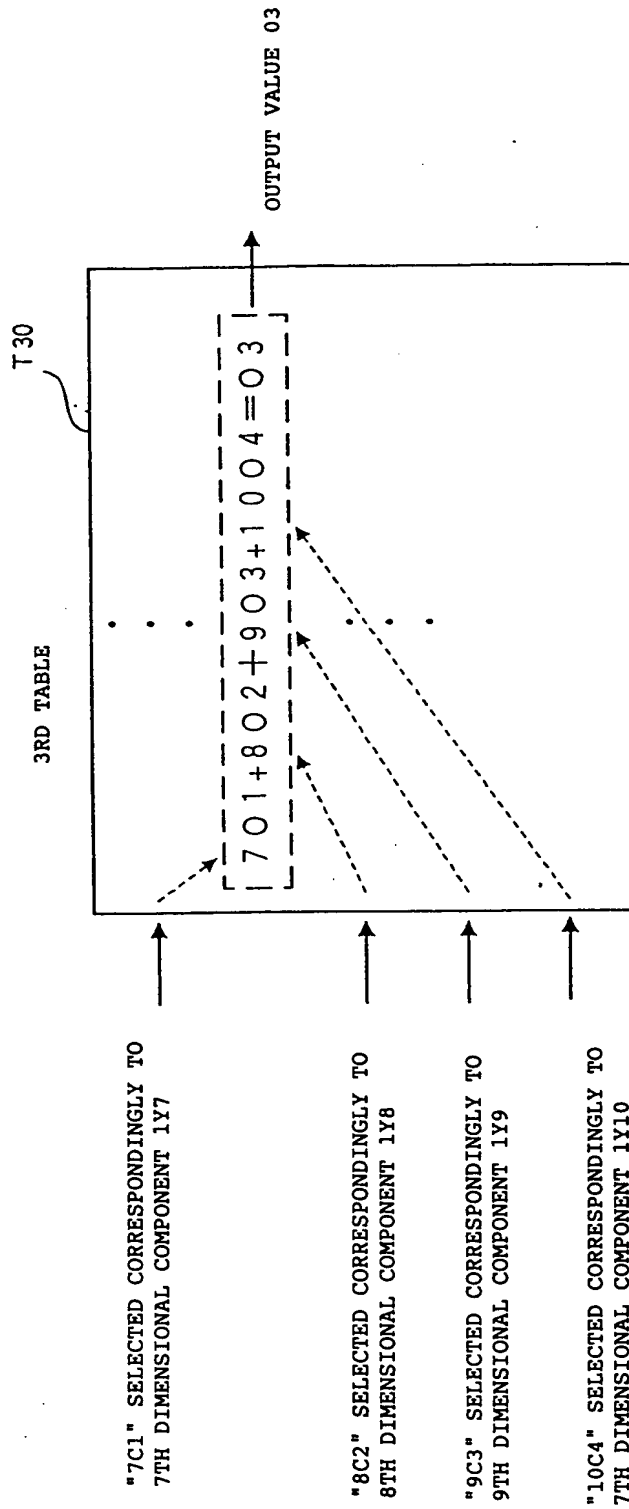


FIG. 6

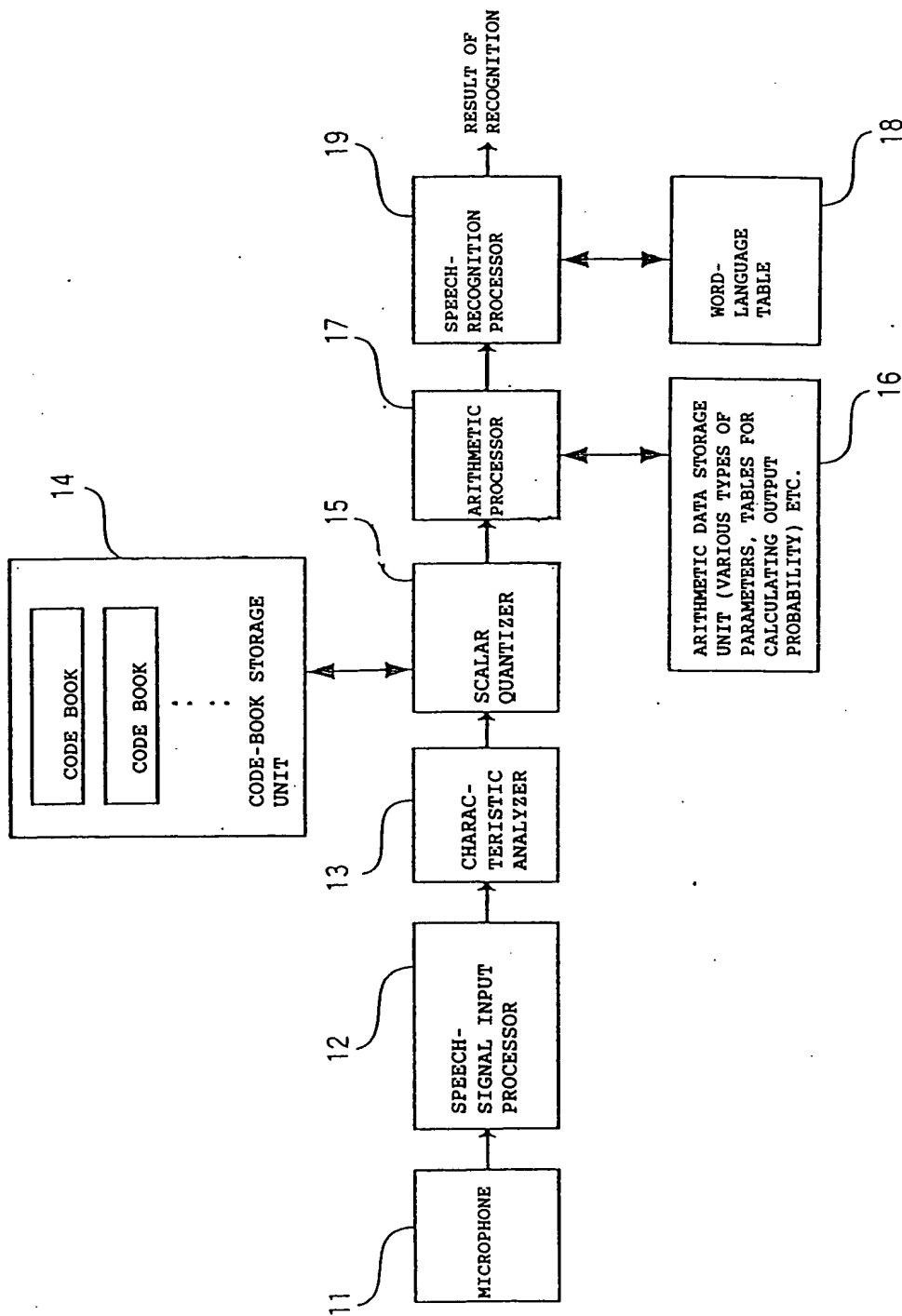


FIG. 7

EXPRESSION 1

$$b_{ij}(Y) = \prod_{k=1}^n \left(\frac{1}{2\pi\sigma_{ij}(k)^2} \right)^{\frac{1}{2}} \cdot e^{-\sum_{k=1}^n \left[\frac{\{y_k - \mu_{ij}(k)\}^2}{2\sigma_{ij}^2(k)} \right]} \quad (1)$$

EXPRESSION 2

$$\log_x b_{ij}(Y) = \log_x \underbrace{\left[\prod_{k=1}^n \left(\frac{1}{2\pi\sigma_{ij}^2(k)} \right)^{\frac{1}{2}} \right]}_A \underbrace{- \sum_{k=1}^n \left[\frac{\{y_k - \mu_{ij}(k)\}^2}{2\sigma_{ij}^2(k)} \right] \bullet \log_x e}_{B'} \quad (2)$$

EXPRESSION 3

$$\log_x b_{ij}(Y) = A - \underbrace{\sum_{k=1}^n \left[\frac{\{y_k - \mu_{ij}(k)\}^2}{2\sigma_{ij}^2(k)} \cdot Z \right]}_{B'} \quad (3)$$

B

EXPRESSION 4

$$\log_x b_{ij}(Y) = A - \underbrace{\sum_{k=1}^n \left[\frac{\{kC_c - \mu_{ij}(k)\}^2}{2\sigma_{ij}^2(k)} \cdot Z \right]}_{\text{D}} \quad \text{E} \quad (4)$$

EXPRESSION 5

$$W_{ijm} \bullet b_m(Y) = W_{ijm} \bullet \prod_{k=1}^n \left(\frac{1}{2\pi\sigma_m^2(k)} \right)^{\frac{1}{2}} \bullet e^{-\sum_{k=1}^n \left[\frac{\{y_k - \mu_m(k)\}^2}{2\sigma_m^2(k)} \right]} \quad (5)$$

EXPRESSION 6

$$\begin{aligned}
 & \log W_{ijm} \bullet b_m \\
 &= \log W_{ijm} + \log_x \underbrace{\left[\prod_{k=1}^n \left(\frac{1}{2\pi\sigma_m^2(k)} \right)^{\frac{1}{2}} \right]}_A - \underbrace{\left[\sum_{k=1}^n \left[\frac{\{y_k - \mu_m(k)\}^2}{2\sigma_m^2(k)} \right] \bullet \log_x e \right]}_{B'} \quad (6)
 \end{aligned}$$

EXPRESSION 7

$$\log_x W_{ijm} \bullet b_m = \log_x W_{ijm} + A - \underbrace{\sum_{k=1}^n \left[\frac{\{y_k - \mu_m(k)\}^2}{2\sigma_m^2(k)} \bullet Z \right]}_{B'} \quad (7)$$

EXPRESSION 8

$$\log_x W_{ijm} \bullet b_m = \log_x W_{ijm} + A - \sum_{k=1}^n \left[\frac{\{kC_c - \mu_m(k)\}^2}{2\sigma_m^2(k)} \bullet Z \right] \quad (8)$$

D

E